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OM protein - protein search, using sw model

Run on: January 3, 2003, 13:03:35 ; Search time 11.7391 Seconds
(without alignments)
58.118 Million cell updates/sec

Title: US-09-801-784A-1

Perfect score: 173
Sequence: 1 VERKNTVTASVDPPTIDLDGSSALPSAVALTSPDA 36

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Number of hits satisfying chosen parameters: 117078

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-Processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

1: Published Applications_AA*
2: /cgn2_6/ptodata/1/pubppaa/US08_NEW_PUB_PEP*
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4: /cgn2_6/ptodata/1/pubppaa/US06_PUBCOMB_PEP*
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13: /cgn2_6/ptodata/1/pubppaa/US60_NEW_PUB_PEP*
14: /cgn2_6/ptodata/1/pubppaa/US60_PUBCOMB_PEP*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	173	100.0	37	10	US-09-801-784-37
2	160	92.5	165	9	US-09-839-894-33
3	160	92.5	167	9	US-09-839-894-4
4	147	85.0	168	9	US-09-839-894-37
5	141.5	81.8	170	9	US-09-839-894-35
6	140.5	79.8	168	9	US-09-839-894-34
7	138	79.8	170	9	US-09-839-894-36
8	101	58.4	142	9	US-09-839-894-38
9	97	56.1	133	9	US-09-839-894-39
10	97	56.1	134	9	US-09-839-894-40
11	77	44.5	16	10	US-09-801-784-3
12	72	41.6	15	10	US-09-801-784-4
13	68	39.3	14	10	US-09-801-784-5
14	62	35.8	13	10	US-09-801-784-6
15	57	32.9	12	10	US-09-801-784-1
16	57	32.9	12	10	US-09-801-784-2
17	54	31.2	517	10	US-09-872-153-25
18	54	31.2	520	10	US-09-872-153-21
19	54	31.2	520	10	US-09-872-153-26

20	52	30.1	740	10	US-09-815-242-10376	Sequence 10376, A
21	51	29.5	1510	9	US-09-738-626-3707	Sequence 3707, Ap
22	50	28.9	10	10	US-09-801-784-36	Sequence 36, Appl
23	49.5	28.6	307	9	US-09-738-626-4849	Sequence 4849, Ap
24	48	27.7	603	9	US-09-712-163-255	Sequence 255, App
25	48	27.7	849	10	US-09-752-639-152	Sequence 152, App
26	48	27.7	849	10	US-09-884-198-152	Sequence 152, App
27	48	27.7	2491	9	US-10-000-789-2	Sequence 2, Appl1
28	47.5	27.5	570	8	US-08-825-486-2	Sequence 2, Appl1
29	47.5	27.5	570	8	US-08-870-434-7	Sequence 7, Appl1
30	47.5	27.5	570	10	US-09-372-044-2	Sequence 2, Appl1
31	47.5	27.5	3353	10	US-09-888-615-64	Sequence 64, Appl1
32	47	27.2	390	10	US-09-815-242-11173	Sequence 11173, A
33	47	27.2	536	10	US-09-815-242-11929	Sequence 11929, A
34	46.5	26.9	193	10	US-09-925-300-1251	Sequence 1251, Ap
35	46	26.6	260	10	US-09-815-242-12110	Sequence 12110, A
36	46	26.6	445	10	US-09-815-242-10316	Sequence 10316, A
37	46	26.6	797	10	US-09-900-236-2	Sequence 2, Appl1
38	46	26.6	798	10	US-09-900-236-5	Sequence 5, Appl1
39	45.5	26.3	461	9	US-09-712-363-285	Sequence 285, App
40	45	26.0	56	10	US-09-815-626-14	Sequence 14, Appl1
41	45	26.0	56	10	US-09-822-687-9	Sequence 9, Appl1
42	45	26.0	192	10	US-09-864-261-33690	Sequence 33690, A
43	45	26.0	271	9	US-09-738-626-5080	Sequence 5080, Ap
44	45	26.0	458	9	US-09-922-364A-4	Sequence 4, Appl1
45	45	26.0	458	9	US-09-254-590-4	Sequence 4, Appl1

ALIGNMENTS

RESULT 1
US-09-801-784-37
Sequence 37, Application US/09801784
Patent No. US20010014668A1
GENERAL INFORMATION:
APPLICANT: Cassels, Frederick J.
Loomis-Price, Lawrence
TITLE OF INVENTION: PEPTIDES FROM A CONSENSUS PEPTIDE OF
COL1 C54-CFA/I FAMILY PROTEINS
NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hendricks and Assoc.
STREET: P.O. Box 2509
CITY: Fairfax
STATE: VA
COUNTRY: US
ZIP: 22031
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/801,784
FILING DATE: 09-Mar-2001
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Hendricks, Glenna M.
REGISTRATION NUMBER: 32,535
REFERENCE/DOCKET NUMBER: cas801
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 425-8405
TELEFAX: (703) 425-8406
INFORMATION FOR SEQ ID NO: 37:
SEQUENCE CHARACTERISTICS:
LENGTH: 37 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: peptide
HYPOTHETICAL: NO

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; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: E. coli
; STRAIN: CS4-CFA/I
; SEQUENCE DESCRIPTION: SEQ ID NO: 37:
US-09-801-784-37

Query Match      100.0%; Score 173; DB 10; Length 37;
Best Local Similarity 100.0%; Pred. No. 1.5e-18;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VEKNITVTASVDPTIDLLQADGSAALPSAVALTYSPA 36
Db 2 VEKNITVTASVDPTIDLLQADGSAALPSAVALTYSPA 37

RESULT 2
US-09-839-894-33
; Sequence 33, Application US/09839894
; Patent No. US20020176868A1
; GENERAL INFORMATION:
; APPLICANT: Altbourn, Zeev
; APPLICANT: Barry, Eileen M.
; APPLICANT: Levine, Myron M.
; APPLICANT: University of Maryland
; TITLE OF INVENTION: ISOLATION AND CHARACTERIZATION OF THE
; FILE REFERENCE: UOFMD.006A
; CURRENT APPLICATION NUMBER: US/09/839,894
; PRIOR FILING DATE: 2001-04-20
; PRIOR APPLICATION NUMBER: 60/198,626
; PRIOR FILING DATE: 2000-04-20
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 33
; LENGTH: 165
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: ETEC Protein Homology Sequence
US-09-839-894-33

Query Match      92.5%; Score 160; DB 9; Length 165;
Best Local Similarity 88.9%; Pred. No. 7.5e-16;
Matches 32; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 VEKNITVTASVDPTIDLLQADGSAALPSAVALTYSPA 36
Db 24 VEKNITVTASVDPTIDLLQADGSSLPATVELTYSPA 59

RESULT 3
US-09-839-894-4
; Sequence 4, Application US/09839894
; Patent No. US20020176868A1
; GENERAL INFORMATION:
; APPLICANT: Altbourn, Zeev
; APPLICANT: Barry, Eileen M.
; APPLICANT: Levine, Myron M.
; APPLICANT: University of Maryland
; TITLE OF INVENTION: ISOLATION AND CHARACTERIZATION OF THE
; FILE REFERENCE: UOFMD.006A
; CURRENT APPLICATION NUMBER: US/09/839,894
; PRIOR FILING DATE: 2001-04-20
; PRIOR APPLICATION NUMBER: 60/198,626
; PRIOR FILING DATE: 2000-04-20
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 167
; TYPE: PRT
; ORGANISM: E. coli
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US-09-839-894-4

Query Match      92.5%; Score 160; DB 9; Length 167;
Best Local Similarity 88.9%; Pred. No. 7.6e-16;
Matches 32; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 VEKNITVTASVDPTIDLLQADGSAALPSAVALTYSPA 36
Db 24 VEKNITVTASVDPTIDLLQADGSSLPATVELTYSPA 59

RESULT 4
US-09-839-894-37
; Sequence 37, Application US/09839894
; Patent No. US20020176868A1
; GENERAL INFORMATION:
; APPLICANT: Altbourn, Zeev
; APPLICANT: Barry, Eileen M.
; APPLICANT: Levine, Myron M.
; APPLICANT: University of Maryland
; TITLE OF INVENTION: ISOLATION AND CHARACTERIZATION OF THE
; FILE REFERENCE: UOFMD.006A
; CURRENT APPLICATION NUMBER: US/09/839,894
; PRIOR FILING DATE: 2001-04-20
; PRIOR APPLICATION NUMBER: 60/198,626
; PRIOR FILING DATE: 2000-04-20
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 37
; LENGTH: 168
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: ETEC Protein Homology Sequence
US-09-839-894-37

Query Match      85.0%; Score 147; DB 9; Length 168;
Best Local Similarity 85.7%; Pred. No. 5.6e-14;
Matches 30; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 VEKNITVTASVDPTIDLLQADGSAALPSAVALTYSP 35
Db 24 VEKNITVTASVDPTIDLLQANGSALPTAVDLTYLP 58

RESULT 5
US-09-839-894-35
; Sequence 35, Application US/09839894
; Patent No. US20020176868A1
; GENERAL INFORMATION:
; APPLICANT: Altbourn, Zeev
; APPLICANT: Barry, Eileen M.
; APPLICANT: Levine, Myron M.
; APPLICANT: University of Maryland
; TITLE OF INVENTION: ISOLATION AND CHARACTERIZATION OF THE
; FILE REFERENCE: UOFMD.006A
; CURRENT APPLICATION NUMBER: US/09/839,894
; PRIOR FILING DATE: 2001-04-20
; PRIOR APPLICATION NUMBER: 60/198,626
; PRIOR FILING DATE: 2000-04-20
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 35
; LENGTH: 170
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: ETEC Protein Homology Sequence
US-09-839-894-35

Query Match      81.8%; Score 141.5; DB 9; Length 170;
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Best Local Similarity 83.3%; Pred. No. 3.5e-13;
Matches 30; Conservative 4; Mismatches 1; Indels 1; Gaps 1;

QY 1 VENKITVTSVDPPTIDLLQADGSAALPSAVALTYSPA 36
DB 24 VENKITVTSVDPPTIDLLQADGSAALPSAVALTYSPA 58

RESULT 6
US-09-839-894-34

; Sequence 34, Application US/09839894
; Patent No. US20020176868A1

; GENERAL INFORMATION:

; APPLICANT: Alboum, Zeev

; APPLICANT: Barry, Eileen M.

; APPLICANT: Levine, Myron M.

; APPLICANT: University of Maryland

; TITLE OF INVENTION: ISOLATION AND CHARACTERIZATION OF THE

; FILE REFERENCE: UOPMD.006A

; CURRENT FILING DATE: 2001-04-20

; PRIOR APPLICATION NUMBER: 60/198,626

; PRIOR FILING DATE: 2000-04-20

; NUMBER OF SEQ ID NOS: 40

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 34

; LENGTH: 168

; TYPE: PRT

; ORGANISM: Artificial Sequence

; OTHER INFORMATION: ETEC Protein Homology Sequence

US-09-839-894-34

Query Match

Best Local Similarity 81.2%; Score 140.5; DB 9; Length 168;
Matches 31; Conservative 1; Mismatches 3; Indels 1; Gaps 1;

QY 1 VENKITVTSVDPPTIDLLQADGSAALPSAVALTYSPA 36
DB 24 VENKITVTSVDPPTIDLLQADGSAALPSAVALTYSPA 58

RESULT 7
US-09-839-894-36

; Sequence 36, Application US/09839894
; Patent No. US20020176868A1

; GENERAL INFORMATION:

; APPLICANT: Alboum, Zeev

; APPLICANT: Barry, Eileen M.

; APPLICANT: Levine, Myron M.

; APPLICANT: University of Maryland

; TITLE OF INVENTION: ISOLATION AND CHARACTERIZATION OF THE

; FILE REFERENCE: UOPMD.006A

; CURRENT FILING DATE: 2001-04-20

; PRIOR APPLICATION NUMBER: 60/198,626

; PRIOR FILING DATE: 2000-04-20

; NUMBER OF SEQ ID NOS: 40

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 36

; LENGTH: 170

; TYPE: PRT

; ORGANISM: Artificial Sequence

; OTHER INFORMATION: ETEC Protein Homology Sequence

US-09-839-894-36

Query Match

Best Local Similarity 79.4%; Score 138; DB 9; Length 170;
Matches 27; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 2 ENKITVTSVDPPTIDLLQADGSAALPSAVALTYSPA 35
DB 25 ENKITVTSVDPPTIDLLQADGSAALPSAVALTYSPA 58

RESULT 8
US-09-839-894-38

; Sequence 38, Application US/09839894
; Patent No. US20020176868A1

; GENERAL INFORMATION:

; APPLICANT: Alboum, Zeev

; APPLICANT: Barry, Eileen M.

; APPLICANT: Levine, Myron M.

; APPLICANT: University of Maryland

; TITLE OF INVENTION: ISOLATION AND CHARACTERIZATION OF THE

; FILE REFERENCE: UOPMD.006A

; CURRENT FILING DATE: 2001-04-20

; PRIOR APPLICATION NUMBER: 60/198,626

; PRIOR FILING DATE: 2000-04-20

; NUMBER OF SEQ ID NOS: 40

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 38

; LENGTH: 142

; TYPE: PRT

; ORGANISM: Artificial Sequence

; OTHER INFORMATION: ETEC Protein Homology Sequence

US-09-839-894-38

Query Match

Best Local Similarity 58.4%; Score 101; DB 9; Length 142;
Matches 20; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 11 VDPPTIDLLQADGSAALPSAVALTYSPA 35
DB 1 VDPPTIDLLQADGSAALPSAVALTYSPA 25

RESULT 9
US-09-839-894-39

; Sequence 39, Application US/09839894
; Patent No. US20020176868A1

; GENERAL INFORMATION:

; APPLICANT: Alboum, Zeev

; APPLICANT: Barry, Eileen M.

; APPLICANT: Levine, Myron M.

; APPLICANT: University of Maryland

; TITLE OF INVENTION: ISOLATION AND CHARACTERIZATION OF THE

; FILE REFERENCE: UOPMD.006A

; CURRENT FILING DATE: 2001-04-20

; PRIOR APPLICATION NUMBER: 60/198,626

; PRIOR FILING DATE: 2000-04-20

; NUMBER OF SEQ ID NOS: 40

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 39

; LENGTH: 133

; TYPE: PRT

; ORGANISM: Artificial Sequence

; OTHER INFORMATION: ETEC Protein Homology Sequence

US-09-839-894-39

Query Match

Best Local Similarity 56.1%; Score 97; DB 9; Length 133;
Matches 18; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

QY 11 VDPPTIDLLQADGSAALPSAVALTYSPA 36
DB 1 VDPPTIDLLQADGSAALPSAVALTYSPA 26

RESULT 10

US-09-839-894-40
; Sequence 40, Application US/09839894
; Patent No. US20020176868A1
; GENERAL INFORMATION:
; APPLICANT: Altobum, Zeev
; APPLICANT: Barry, Eileen M.
; APPLICANT: Levine, Myron M.
; APPLICANT: University of Maryland
; TITLE OF INVENTION: ISOLATION AND CHARACTERIZATION OF THE
; TITLE OF INVENTION: CSA OPERON
; FILE REFERENCE: UOFMD.006A
; CURRENT APPLICATION NUMBER: US/09/839,894
; CURRENT FILING DATE: 2001-04-20
; PRIOR APPLICATION NUMBER: 60/198,626
; PRIOR FILING DATE: 2000-04-20
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 40
; LENGTH: 134
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: ETEC Protein Homology Sequence
US-09-839-894-40

Query Match 56.1%; Score 97; DB 9; Length 134;
Best Local Similarity 69.2%; Pred. No. 6e-07; 3; Indels 0; Gaps 0;
Matches 18; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

Qy 11 VDPITDLQADGSLPSAVALTYSPA 36
||| :|||||:| :||| |
Db 1 VDPKLDLQADGTSLPDSIALTYSSA 26

RESULT 11

US-09-801-784-3
; Sequence 3, Application US/09801784
; Patent No. US20010014668A1
; GENERAL INFORMATION:
; APPLICANT: Cassels, Frederick J.
; Loomis-Price, Lawrence
; TITLE OF INVENTION: PEPTIDES FROM A CONSENSUS PEPTIDE OF
; E.
; COLI CS4-CFA/I FAMILY PROTEINS
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hendricks and Assoc.
; STREET: P.O. Box 2509
; CITY: Fairfax
; STATE: VA
; COUNTRY: US
; ZIP: 22031
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/801,784
; FILING DATE: 09-Mar-2001
; CLASSIFICATION: <Unknown>
; NAME: Hendricks, Glenna M.
; REGISTRATION NUMBER: 32,535
; REFERENCE/DOCKET NUMBER: cas801
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 425-8405
; TELEFAX: (703) 425-8406
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; Query Match 41.6%; Score 72; DB 10; Length 15;
; Best Local Similarity 100.0%; Pred. No. 0.00014;

; LENGTH: 16 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: E. coli
; STRAIN: CS4-CFA/I
; SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-801-784-3

Query Match 44.5%; Score 77; DB 10; Length 16;
Best Local Similarity 100.0%; Pred. No. 2.9e-05;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 TVTASVDPTIDLLQAD 21
||||| :|||||:| :||| |
Db 1 TVTASVDPTIDLLQAD 16

RESULT 12

US-09-801-784-4
; Sequence 4, Application US/09801784
; Patent No. US20010014668A1
; GENERAL INFORMATION:
; APPLICANT: Cassels, Frederick J.
; Loomis-Price, Lawrence
; TITLE OF INVENTION: PEPTIDES FROM A CONSENSUS PEPTIDE OF
; E.
; COLI CS4-CFA/I FAMILY PROTEINS
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hendricks and Assoc.
; STREET: P.O. Box 2509
; CITY: Fairfax
; STATE: VA
; COUNTRY: US
; ZIP: 22031
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/801,784
; FILING DATE: 09-Mar-2001
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Hendricks, Glenna M.
; REGISTRATION NUMBER: 32,535
; REFERENCE/DOCKET NUMBER: cas801
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 425-8405
; TELEFAX: (703) 425-8406
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: E. coli
; STRAIN: CS4-CFA/I
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-801-784-4

Query Match 41.6%; Score 72; DB 10; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.00014;

	Matches	15;	Conservative	0;	Mismatches	0;	Indels	0;	Gaps	0;
Qy	7	VTASVDPRTDLLQAD	21							
Db	1	VTASVDPRTDLLQAD	15							

RESULT 13
US-09-801-784-5
; Sequence 5, Application US/09801784
; Patent No. US2001001468A1
; GENERAL INFORMATION:
; INVENTOR: [REDACTED]
; ADDRESS: [REDACTED]
; [REDACTED]

Query Match	39.3%	Score	68	DB	10	Length	14
Best Local Similarity	100.0%	Pred. No.	0.00047				
Matches	14	Conservative	0	Mismatches	0	Indels	0
						Gaps	0

RESULT 14
US-09-801-784-6
; Sequence 6, Application US/09801784
; Patent No. US20010014668A1
; GENERAL INFORMATION:
; APPLICANT: Cassels, Frederick J.
; Incomis-Price, Lawrence
; TITLE OF INVENTION: PEPTIDES FROM A CONSENSUS PEPTIDE OF

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Query Match 35.8% Score 62; DB 10; length 13;
Best Local Similarity 100.0% Pred. No. 0.0031;
Matches 13; Conservative 0; Mismatches 0; Gaps 0;

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RESULT 15
 US-09-801-784-1
 Sequence 1, Application US/09801784
 Patent No. US20010014668A1
 GENERAL INFORMATION:
 APPLICANT: Caseels, Frederick J.
 Loomis-Price, Lawrence
 TITLE OF INVENTION: PEPTIDES FROM A CONSENSUS PEPTIDE OF
 E. COLI CS4-CFA/I FAMILY PROTEINS
 NUMBER OF SEQUENCES: 37
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Hendricks and Assoc.
 STREET: P.O. Box 2509
 CITY: Fairfax
 STATE: VA
 COUNTRY: US
 ZIP: 22031
 COMPUTER READABLE FORM:
 MEDIUM TYPE: floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25

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;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/801,784
; FILING DATE: 09-Mar-2001
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Hendricks, Glenna M.
; REGISTRATION NUMBER: 32,535
; REFERENCE/DOCKET NUMBER: cas801
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 425-8405
; TELEFAX: (702) 425-8406
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: E. coli
; STRAIN: CS4-CFA/I
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09 801-784 1
32.9%; Score 57; DB 10; Length 12;
Query Match 100.0%; Pred. No. 0.015;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 ASVDPTIDLLQA 20
| | | | | | | | | |
DB 1 ASVDPTIDLLQA 12

RESULT 16
US-09 801-784 2
; Sequence 2, Application US/09801/784
; Patent No. US20010014668A1
; GENERAL INFORMATION:
; APPLICANT: Cassels, Frederick J.
; Loomis-Price, Lawrence E.
; TITLE OF INVENTION: PEPTIDES FROM A CONSENSUS PEPTIDE OF
; E.
; COLI CS4-CFA/I FAMILY PROTEINS
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hendricks and Assoc.
; STREET: P.O. Box 2509
; CITY: Fairfax
; STATE: VA
; COUNTRY: US
; ZIP: 22031
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/801,784
; FILING DATE: 09-Mar-2001
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Hendricks, Glenna M.
; REGISTRATION NUMBER: 32,535
; REFERENCE/DOCKET NUMBER: cas801
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 425-8405
; TELEFAX: (702) 425-8406
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12 amino acids
; TYPE: amino acid
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;
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: E. coli
; STRAIN: CS4-CFA/I
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-801-784-2
32.9%; Score 57; DB 10; Length 12;
Query Match 100.0%; Pred. No. 0.015;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 ASVDPTIDLLQA 20
| | | | | | | | | |
DB 1 ASVDPTIDLLQA 12

RESULT 17
US-09-872-153-25
; Sequence 25, Application US/09872153
; Patent No. US20020082207A1
; GENERAL INFORMATION:
; APPLICANT: Hirst, Shannon K.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Dillon, Davin C.
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; OF PANCREATIC CANCER
; FILE REFERENCE: 210121.531
; CURRENT APPLICATION NUMBER: US/09/872,153
; CURRENT FILING DATE: 2001-05-31
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 25
; LENGTH: 517
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-872-153-25

Query Match 31.2%; Score 54; DB 10; Length 517;
Best Local Similarity 40.7%; Pred. No. 4.7;
Matches 11; Conservative 6; Mismatches 10; Indels 0; Gaps 0;

QY 9 ASVDPTIDLLQADGSGALPSAVALTYSP 35
| | | | | | | | | | | | | | | | | | | | | |
DB 451 APITPMSLVLRADGLPYSAPSFYTP 477

RESULT 18
US-09-872-153-21
; Sequence 21, Application US/09872153
; Patent No. US20020082207A1
; GENERAL INFORMATION:
; APPLICANT: Hirst, Shannon K.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Dillon, Davin C.
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; OF PANCREATIC CANCER
; FILE REFERENCE: 210121.531
; CURRENT APPLICATION NUMBER: US/09/872,153
; CURRENT FILING DATE: 2001-05-31
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 21
; LENGTH: 520
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-872-153-21
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Query Match 31.2%; Score 54; DB 10; Length 520;
Best Local Similarity 40.7%; Pred. No. 4.8;
Matches 11; Conservative 6; Mismatches 10; Indels 0; Gaps 0;

Qy 9 ASVDPTIDLCADGSAALPSAVALTYP 35
Db 454 APITPMSLVRADGLFYPSAFSFTYTP 480

RESULT 19
US-09-872-153-26
; Sequence 26, Application US/09872153
; GENERAL INFORMATION:
; APPLICANT: Hirst, Shannon K.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Dillon, David C.
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.531
; CURRENT APPLICATION NUMBER: US/09/872,153
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 26
; LENGTH: 520
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-872-153-26

Query Match 31.2%; Score 54; DB 10; Length 520;
Best Local Similarity 40.7%; Pred. No. 4.8;
Matches 11; Conservative 6; Mismatches 10; Indels 0; Gaps 0;

Qy 9 ASVDPTIDLCADGSAALPSAVALTYP 35
Db 454 APITPMSLVRADGLFYPSAFSFTYTP 480

RESULT 20
US-09-815-242-10376
; Sequence 10376, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl L.
; APPLICANT: Zyskind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; FILE REFERENCE: ELITRA.011A
; CURRENT APPLICATION NUMBER: US/09/815,242
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 14110

; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10376
; LENGTH: 740
; TYPE: PRT
; ORGANISM: Escherichia coli
US-09-815-242-10376

Query Match 30.1%; Score 52; DB 10; Length 740;
Best Local Similarity 37.9%; Pred. No. 14;
Matches 11; Conservative 4; Mismatches 14; Indels 0; Gaps 0;

Qy 5 ITVTASVDPTIDLCADGSAALPSAVALTYP 33
Db 84 IAEAGLEPLADLWSDPSHTPEVAAAGY 112

RESULT 21
US-09-738-626-3707
; Sequence 3707, Application US/09738626
; Publication No. US20020197605A1
; GENERAL INFORMATION:
; APPLICANT: NAKAGAWA, SATOSHI
; APPLICANT: MIZOGUCHI, HIROSHI
; APPLICANT: ANDO, SEIKO
; APPLICANT: HAYASHI, MIKIRO
; APPLICANT: OCHIAI, KEIKO
; APPLICANT: YOKOI, HARUHIKO
; APPLICANT: TATEISHI, NAOKO
; APPLICANT: SENOH, AKIHIRO
; APPLICANT: IKEDA, MASATO
; APPLICANT: OZAKI, AKIO
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-125
; CURRENT APPLICATION NUMBER: US/09/738,626
; CURRENT FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: JP 99/377484
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: JP 00/159162
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: JP 00/280988
; PRIOR FILING DATE: 2000-08-03
; NUMBER OF SEQ ID NOS: 7059
; SOFTWARE: PatentIn ver. 3.0
; SEQ ID NO 3707
; LENGTH: 1510
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-09-738-626-3707

Query Match 29.5%; Score 51; DB 9; Length 1510;
Best Local Similarity 45.8%; Pred. No. 50;
Matches 11; Conservative 4; Mismatches 9; Indels 0; Gaps 0;

Qy 8 TASVDPTIDLCADGSAALPSAVALTYP 31
Db 285 TARFDEALELHLHGGVSLPHAVAM 308

RESULT 22
US-09-801-784-36
; Sequence 36, Application US/09801784
; Patent No. US20010014668A1
; GENERAL INFORMATION:
; APPLICANT: Casels, Frederick J.
; Loomis-Price, Lawrence
; TITLE OF INVENTION: PEPTIDES FROM A CONSENSUS PEPTIDE OF
; B. COLI CS4-CFA/I FAMILY PROTEINS
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESS: Hendricks and Assoc.
; STREET: P.O. Box 2509
; CITY: Fairfax

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; STATE: VA
; COUNTRY: US
; ZIP: 22031
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/801.784
; FILING DATE: 09-Mar-2001
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Hendricks, Glenn M.
; REGISTRATION NUMBER: 32.535
; REFERENCE/DOCKET NUMBER: cas801
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 425-8405
; TELEFAX: (702) 425-8406
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
; HYDROTHERICAL: NO
; ANTI SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: E. coli
; STRAIN: CS4-CFA/1
; SEQUENCE DESCRIPTION: SEQ ID NO: 36:
US-09 801-784 36
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```
Query Match 28.9%; Score 50; DB 10; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.12; Indels 0; Gaps 0;
Matches 10; Conservative 0; Mismatches 0;
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QY 26 PSAVALTSP 35
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Db 1 PSAVALTSP 10
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RESULT 23
US-09-738-626-4849
; Sequence 4849, Application US/09738626
; Publication No. US20020197605A1
; GENERAL INFORMATION:
; APPLICANT: NAKAGAWA, SATOSHI
; APPLICANT: MIZOGUCHI, HIROSHI
; APPLICANT: ANDO, SEIKO
; APPLICANT: HAVASHI, MIKIRO
; APPLICANT: OCHIAI, KEIKO
; APPLICANT: YOKOI, HARUHIKO
; APPLICANT: TATEISHI, NAOKO
; APPLICANT: SENOH, AKIHIRO
; APPLICANT: IKEDA, MASATO
; APPLICANT: OZAKI, AKIO
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-125
; CURRENT APPLICATION NUMBER: US/09/738,626
; CURRENT FILING DATE: 2000-12-18
; PRIOR FILING DATE: 2000-12-18
; PRIOR FILING DATE: JP 99/377484
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: JP 00/159162
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: JP 00/280988
; PRIOR FILING DATE: 2000-08-03
; NUMBER OF SEQ ID NOS: 7059
; SOFTWARE: Patent in ver. 3.0
; SEQ ID NO 4849
; LENGTH: 307
; TYPE: PRT
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; ORGANISM: Corynebacterium glutamicum
; US-09-738-626-4849
Query Match 28.6%; Score 49.5; DB 9; Length 307;
Best Local Similarity 42.9%; Pred. No. 11;
Matches 12; Conservative 7; Mismatches 8; Indels 1; Gaps 1;
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QY 9 ASVDPTDLLQADGSALPSAVALTSP 36
|||||
Db 220 ATVDPSVDVVA-ADAPTNVDLAYTAA 246
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RESULT 24
US-09-712-363-255
; Sequence 255, Application US/09712363
; Patent No. US20020164589A1
; GENERAL INFORMATION:
; APPLICANT: Eisenberg, David
; APPLICANT: Rotstein, Sergio H.
; APPLICANT: Marcotte, Edward M.
; TITLE OF INVENTION: DETERMINING THE FUNCTIONS AND
; INTERACTIONS OF PROTEINS BY COMPARATIVE ANALYSIS
; FILE REFERENCE: 07419-032001
; CURRENT APPLICATION NUMBER: US/09/712,363
; CURRENT FILING DATE: 2000-11-13
; PRIOR APPLICATION NUMBER: PCT/US00/02246
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: 60/179,531
; PRIOR FILING DATE: 2000-02-01
; PRIOR APPLICATION NUMBER: 60/117,844
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: 60/118,206,
; PRIOR FILING DATE: 1999-02-01
; PRIOR APPLICATION NUMBER: 60/126,593
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: 60/134,093
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: 60/165,124
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/165,086
; PRIOR FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 292
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 255
; LENGTH: 603
; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis
; US-09-712-363-255
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Query Match 27.7%; Score 48; DB 9; Length 603;
Best Local Similarity 39.4%; Pred. No. 42;
Matches 13; Conservative 4; Mismatches 14; Indels 2; Gaps 1;
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QY 6 TVTASVDPTDLLQ--ADGSALPSAVALTSP 36
|||||
Db 454 TVTGSVPPTVDLAERTEDGFGGKVLASPFQMA 486
```

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RESULT 25
US-09-752-639-152
; Sequence 152, Application US/09752639
; Patent No. US20020091243A1
; GENERAL INFORMATION:
; APPLICANT: Gatanaga, T.
; APPLICANT: Granger, G.A.
; TITLE OF INVENTION: Factors Altering Tumor Necrosis
; RECEPTOR RELEASING ENZYME ACTIVITY, AND METHODS
; OF USE THEREOF
; NUMBER OF SEQUENCES: 154
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
```


STREET: 755 PAGE MILL ROAD
 CITY: Palo Alto
 STATE: CA
 COUNTRY: USA
 ZIP: 94304-1018
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 OPERATING SYSTEM: Windows
 SOFTWARE: FASTSEQ for Windows Version 2.0b
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/752,639
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: PCT/US99/10793
 FILING DATE:
 APPLICATION NUMBER: 09/081,385
 FILING DATE:
 APPLICATION NUMBER: 08/964,747
 FILING DATE: 05-NOV-1997
 APPLICATION NUMBER: 60/030,761
 FILING DATE: 06-NOV-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Wu, Frank
 REGISTRATION NUMBER: 41,386
 REFERENCE/DOCKET NUMBER: 22000-20577.21
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 650-813-5600
 TELEFAX: 650-494-0792
 TELEX: 706141
 INFORMATION FOR SEQ ID NO: 152:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 849 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 US-09-752-639-152

Query Match 27.7%; Score 48; DB 10; Length 849;
 Best Local Similarity 43.5%; Pred. No. 64;
 Matches 10; Conservative 3; Mismatches 10; Indels 0; Gaps 0;
 QY 11 VDPIDLDAGSALPSAVALTY 33
 Db 677 VDOVLGLVYKDGSPSPSKSLST 699

Search completed: January 3, 2003, 13:10:34
 Job time: 12.7391 secs

